material comprising M alone, said magnetic composition having the maximum μ''_{max} of complex permeability μ'' in a frequency range of 0.1-10 gigahertz (GHz).

A_2 4. The magnetic substance according to claim 2], wherein said magnetic composition has a DC specific resistance of 100-700 $\mu\Omega$·cm.

7. The magnetic substance according to claim 5, wherein said magnetic composition has a DC specific resistance of 500 μO·cm or more.

A_3 8. The magnetic substance according to any one of claim 1, wherein X is selected from the group consisting of C, Bi, Si, Al, Mg, Ti, Zn, Hf, Sr, Nb, Ta, rare-earth metals, and two or more thereof.

9. The magnetic substance according to claim 1, wherein said metallic magnetic material M is distributed as granular grains in a matrix composition consisting of X and Y.

11. The magnetic substance according to claim 1, wherein said magnetic composition has an anisotropy field of 600 Oe or less.

12. The magnetic substance according to claim 1, wherein said magnetic composition is a composition represented by a fomula of Fe_α-Al_β-O_γ.

A_4 13. The magnetic substance according to claim 1, wherein said magnetic composition is a composition represented by a formula of Fe_α-Al_β-O_γ.

14. The magnetic substance according to claim 1, wherein said magnetic composition is a thin film formed by sputtering process.

15. The magnetic substance according to claim 1, wherein said magnetic composition is a thin film formed by vapor deposition process.